

TITLE OF THE INVENTION

METHOD AND APPARATUS FOR PREDICTIVE ALTITUDE DISPLAY

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CROSS-REFERENCE TO RELATED APPLICATIONS

This is a continuation-in-part of U.S. Provisional
Patent Application Serial No. 60/239,319 filed October 10,
10 2000, entitled "TERRAIN AWARENESS AND WARNING SYSTEM (TAWS)
for Aircraft," which is incorporated herein by reference in
its entirety.

FIELD OF THE INVENTION

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The present invention relates to avionics, and more
particularly to altitude displays and terrain awareness
warning systems.

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BACKGROUND OF THE INVENTION

A conventional altitude display for a terrain
awareness warning system (TAWS) for a given aircraft
provides a pilot with a visual display of the terrain
25 having an altitude higher than the aircraft, as well as the
terrain within some distance, usually 2000', below an
aircraft.

Referring to prior art FIG. 1, an environment is shown
in which a conventional altitude display could be
30 important. In situation I, an aircraft 12 is flying at an
altitude X along a direction vector 16. In situation II,